Ultra Schwurbel

Moonn Electronics

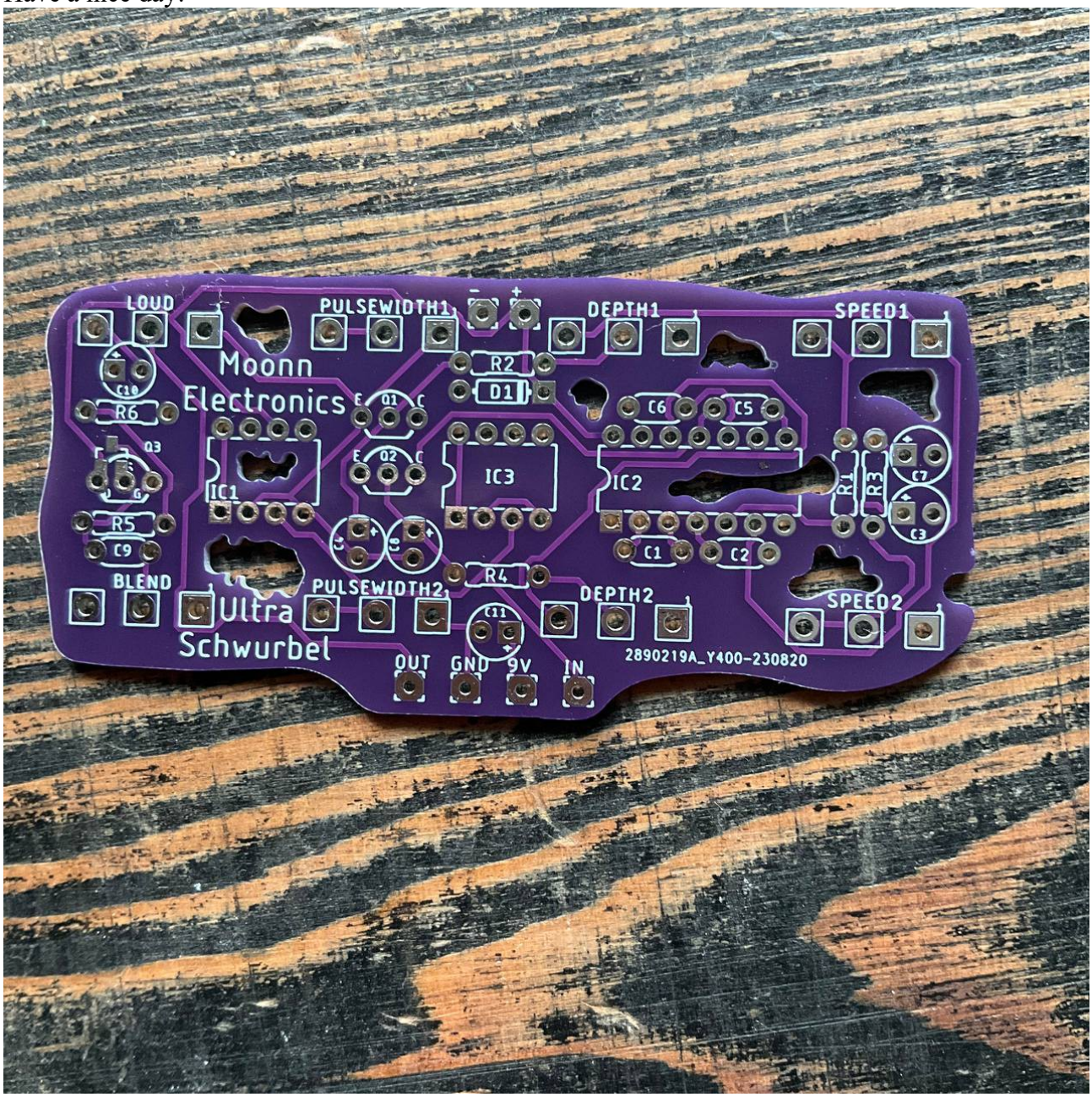
Use me to build a chaotic noise machine based on the PMW by Tim Escobedo

Hi there!
Thank you for building me!

Stay weird and rotten like me!

If you have any questions or anything else to say, just write an email to
moonnelectronics@gmail.com

Have a nice day!



Moonn Electronics is in no way affiliated with Tim Escobedo

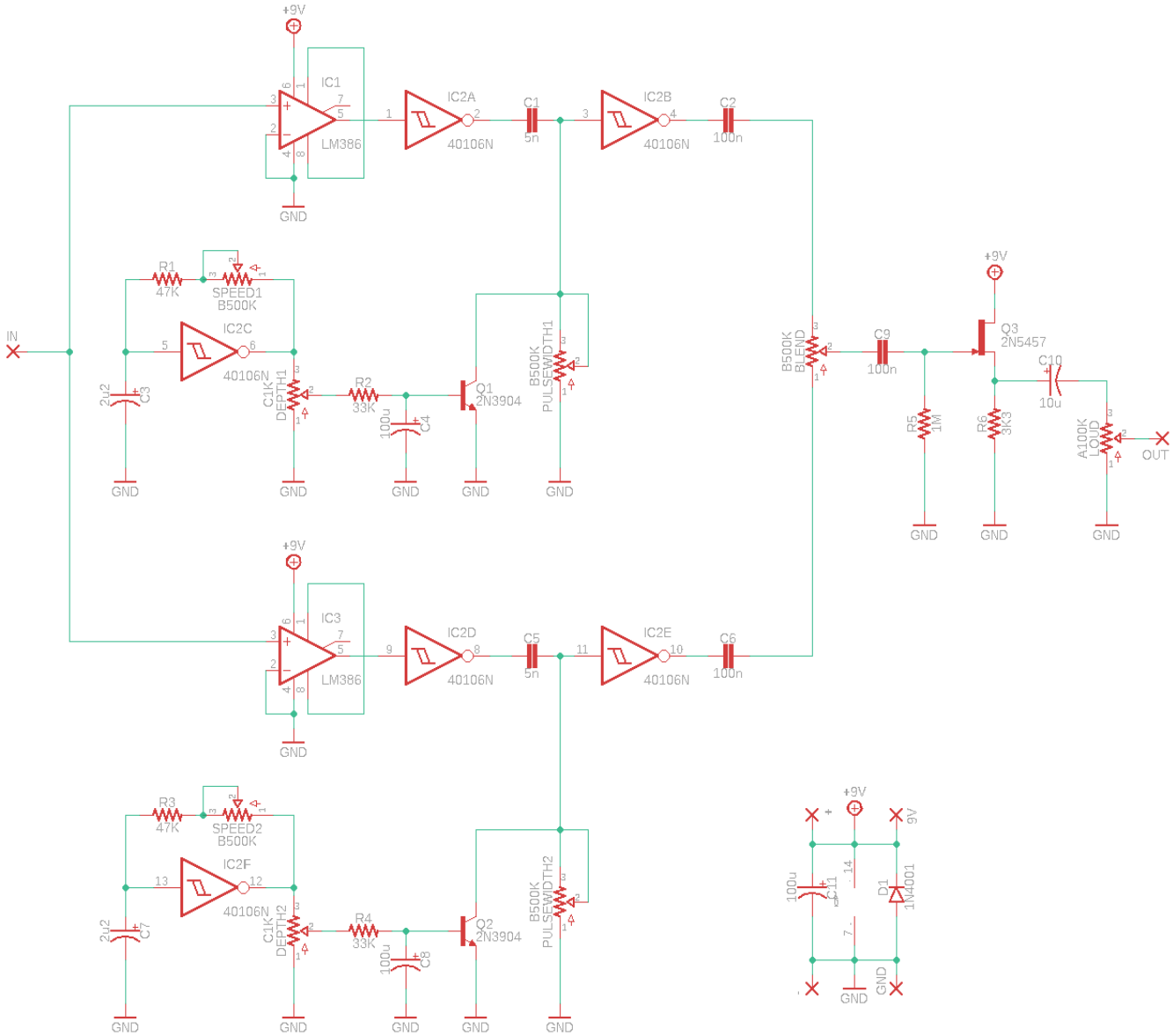
Bill of Materials

Qty	Value	Parts
Resistors		
1	3K3	R6
2	33K	R2, R4
2	47K	R1, R3
1	1M	R5
Film Capacitors		
2	5n1	C1, C5
3	100n	C2, C6, C9
Electrolytic Capacitors		
2	2u2	C3, C7
1	10u	C10
3	100u	C4, C8, C11
Semiconductors and Chips		
1	1N4001	D1
2	2N3904	Q1, Q2
1	2N5457*	Q3
2	LM386	IC1, IC3
1	40106N	IC2
Potentiometers		
2	C1K	DEPTH1, DEPTH2
1	A100K	LOUD
5	B500K**	BLEND, PULSEWIDTH1, PULSEWIDTH2, SPEED1, SPEED2

*The SMD version of this one is called MMBF5457

**If you want the speed pots to work in the right direction you need to swap pins 1 and 3

Schematic


+9V
IC1
LM386
GND
IC2A
40106N
C1
5n
IC2B
40106N
C2
100n
IN
R1
47K
SPEED1
B500K
IC2C
40106N
2u2
C3
C1K
DEPTH1
R2
33K
100u
C4
Q1
2N3904
B500K
PULSEWIDTH1
B500K
BLEND
C9
100n
Q3
2N5457
C10
10u
R5
1M
R6
3K3
A100K
LOUD
OUT
IC3
LM386
IC2D
40106N
C5
5n
IC2E
40106N
C6
100n
R3
47K
SPEED2
B500K
IC2F
40106N
2u2
C7
C1K
DEPTH2
R4
33K
100u
C8
Q2
2N3904
B500K
PULSEWIDTH2
9V
100u
C11
D1
1N4001

Offboard Wiring